



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

February 27, 2020

Bert Volger, Ph.D
Agent for Helm Agro US, Inc.
c/o Ceres International LLC
401 E. Jackson St., Suite 1400
Tampa, FL 33602

Subject: PRIA Label and CSF Amendment – Adding Alternate CSF 4 with an unregistered source of active ingredient and incorporating paraquat guidance on the label
Product Name: Paraquat TC
EPA Registration Number: 74530-37
Application Date: March 8, 2019
Decision Number: 549936

Dear Dr. Volger:

The amended label and CSF referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, are acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. The next label printing of this product must use this labeling unless subsequent changes have been approved. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Please note that the record for this product currently contains the following CSF(s):

- Basic CSF dated 5/17/2013
- Alternate CSF 1 dated 1/8/2014
- Alternate CSF 2 dated 5/17/2013
- Alternate CSF 3 dated 8/5/2013
- Alternate CSF 4 dated 3/8/2019

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product

would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

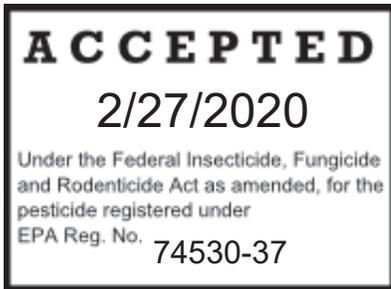
Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact Julia Kerr by phone at 703-347-0386, or via email at kerr.julia@epa.gov.

Sincerely,



Emily Schmid, Product Manager 25
Herbicide Branch
Registration Division (7505P)
Office of Pesticide Programs

Enclosure



Paraquat TC (Technical Concentrate)

For Formulation of Paraquat Herbicide Products Only

ACTIVE INGREDIENT:

Paraquat dichloride (1,1'-demethyl, 4,4'-bipyridinium dichloride) 47.15%

INERT INGREDIENTS: 52.85%

TOTAL: 100.00%

Contains 2.8 pounds paraquat cation per gallon.

Contains emetic.

EPA Reg. No. 74530-37

EPA Est. No.

Net Contents: XXXX Gals.

**KEEP OUT OF REACH OF CHILDREN /MANTENER FUERA
DEL ALCANCE DE LOS NIÑOS**

**DANGER/PELIGRO
POISON/VENENO**



Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

CORROSIVE TO SKIN AND EYES	CORROSIVO PARA LA PIEL Y LOS OJOS.
NEVER TRANSFER THIS PRODUCT INTO FOOD OR BEVERAGE CONTAINERS OR CONTAINERS NOT EXPLICITLY INTENDED FOR PESTICIDES	NUNCA TRANSFEIERA ESTE PRODUCTO A RECIPIENTES PARA COMIDA O DE BEBIDAS O RECIPIENTES NO EXPLÍCITAMENTE PREVISTOS PARA PLAGUICIDAS.
READ ENTIRE LABEL PRIOR TO USING THIS PRODUCT	LEA LA ETIQUETA COMPLETA ANTES DE USAR ESTE PRODUCTO.
IN THE CASE OF AN ACCIDENT, SEEK IMMEDIATE MEDICAL ATTENTION. SYMPTOMS ARE PROLONGED, PAINFUL, AND CAN BE FATAL	EN CASO DE ACCIDENTE, BUSQUE ATENCIÓN MÉDICA INMEDIATA. LOS SÍNTOMAS SON PROLONGADOS, DOLOROSOS, Y PUEDEN SER MORTALES.

HELM AGRO Inc.
401 E. Jackson St., Suite 1400
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FIRST AID	
If swallowed	<ul style="list-style-type: none">• Call a poison control center or doctor IMMEDIATELY for treatment advice.• Speed is essential. Immediate attention is required.• If available, give an adsorbent such as activated charcoal, bentonite or Fuller's Earth.• Call a poison control center or doctor immediately for treatment.• Do not give anything by mouth to an unconscious person.
If in eyes	<ul style="list-style-type: none">• Hold eye open and rinse slowly and gently with water for 15 to 20 mins. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.• Call a poison control center or doctor for treatment advice.
If on skin or clothing	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15 to 20 minutes.• Call poison control center or doctor for treatment advice.
If inhaled	<ul style="list-style-type: none">• Move person to fresh air.• If person is not breathing, call 911 or an ambulance.• Call a poison control center or doctor for further treatment advice.
NOTE TO PHYSICIAN	
Administer either activated charcoal (100g for adults or 2g/kg body weight in children) or Fuller's Earth (15% solution: 1 liter for adults or 15mg/kg body weight in children). NOTE: The use of gastric lavage without administration of an adsorbent has not shown any clinical benefit. Do not use supplemental oxygen. Eye splashes from concentrated material should be treated by an eye specialist after initial treatment. With the possibility of late onset corneal ulceration, it is advised that patients with paraquat eye injuries are reviewed by an eye specialist the day after first presentation. Use treatment that is appropriate for chemical burns. Intact skin is an effective barrier to paraquat, however contact with irritated or cut skin or repeated contact with intact skin may result in poisoning.	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
HOTLINE	
For medical emergencies involving this product, call CHEMTREC 1-800-424-9300. For chemical emergency: Spill, leak, fire, exposure, or accident, call CHEMTREC 1-800-424-9300	



**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER/PELIGRO
POISON /VENENO**

Fatal if inhaled. Corrosive. Causes irreversible eye damage. May be fatal if swallowed. Harmful if absorbed through skin. Do not breathe spraymist. Do not get in eyes or on clothing. Avoid contact with skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

IMPORTANT: The effect of swallowing paraquat concentrate is far more severe than that which usually results from skin contact or inhalation of contaminated plant dust. User must use product in accordance with label instructions.

When handling or mixing concentrate or when exposure to concentrate is possible, wear:

- Wear a minimum of a NIOSH-approved particulate filtering facepiece respirator with any N1, R, or P filter; OR a NIOSH-approved elastomeric particulate respirator with any N1, R, or P filter; OR a NIOSH-approved powered air purifying respirator with HE filters.
- Protective clothing (disposable suit/coveralls or long-sleeve shirt and long pants)
- Full face shield
- Chemical-resistant gloves made of barrier laminate, butyl rubber ≥ 14 mils, nitrile rubber ≥ 14 mils, neoprene rubber ≥ 14 mils, natural rubber ≥ 14 mils, polyethylene, polyvinyl chloride (PVC) ≥ 14 mils, or Viton® ≥ 14 mils.
- Chemical resistant apron
- Shoes plus socks

Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

REMOVE contaminated clothing and wash separately from other laundry before reuse.

ENVIRONMENTAL HAZARDS

This product is toxic to wildlife. Do not discharge effluent containing this product or apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high-water mark. Do not contaminate water when cleaning equipment or disposing of equipment wash waters.

Paraquat dichloride is toxic to nontarget crops and plants if off-target movement occurs because it desiccates all green plant tissue. Extreme care must be taken to ensure that off-target drift is minimized to the greatest extent possible. Refer to the local state laws, regulations, guidelines, and spray drift information contained in the Directions for Use section for proper application to avoid off-target movement. Do not apply under conditions involving possible drift to food, forage, or other plantings that might be damaged or the crops thereof rendered unfit for sale, use, or consumption. Do not apply when weather conditions favor drift from treated areas. To avoid drift, do not make aerial application during periods of thermal inversion.



PHYSICAL AND CHEMICAL HAZARD

This product is mildly corrosive to aluminum and produces hydrogen gas which may form a highly combustible gas mixture. Do not mix or store in containers, spray tanks, nurse tanks, or such systems made of aluminum or having aluminum fittings. The product is compatible with high density polyethylene and rubber-lined steel containers.

EQUIPMENT/CONTAINER

Flush all equipment with water after use each day. **PARAQUAT IS CORROSIVE TO ALUMINUM.** Flush aluminum equipment and aluminum structures that are exposed to solution of spillage thoroughly with water immediately after use.

SPILLAGE DURING TRANSPORT

Emergency Action: Notify police and fire departments immediately. For any spill, leak, fire, or exposure in the United States, call CHEMTREC 1-800-424-9300.

KEEP PUBLIC AND ANIMALS away from area. MARK ROADS AND WARN OTHER ROAD USERS. WEAR face shield, waterproof gloves, waterproof footwear, and long-sleeve shirt and long pants during decontamination operations.

Clean up spills as soon as possible. Cover spill with generous amount of clay or loam soil to absorb liquid, using a stiff broom to ensure intimate contact. Sweep onto shovel and transfer to plastic bag or other disposable container. Repeat operations until contaminated surfaces are dry. Finally, hose spill site with water, if feasible.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

Only for formulation into a herbicide for the following uses:

TERRESTRIAL FOOD CROP

Acerola (West Indies cherry), apricot, asparagus, avocado, banana, blackberry, blueberry, boysenberry, broccoli, cabbage, Chinese, carrot (including tops), cauliflower, cherry, cocoa, coffee, collards, cucumber, eggplant, fig, filbert (hazelnut), garlic, groundcherry (strawberry tomato/tomatillo), guava, hops, kiwifruit, lettuce, loquat, macadamia nut (bushnut), manioc (cassava), melons, melons, cantaloupe, melons, musk, melons, water, mint, nectarine, olive, onion, papaya, passion fruit, peach, pear, pecan, pepino (melonpear), pepper, pepper (chilli type), pineapple, pistachio, plum, potato, whit/Irish, prune, pumpkin, raspberry (black, red), rhubarb, small fruits, squash (all or unspecified), strawberry, sugar beet, taro, walnut (English/black), yam, yautia.

TERRESTRIAL FOOD+FEED CROP

Almond, apple, barley, beans, asparagus, beans, dried-type, beans, mung; beans-succulent (lima); beans-succulent (snap), citrus fruits, corn (unspecified), corn, field, corn, pop, corn, sweet, cotton (unspecified),



garbanzos (including chickpeas), grapes, guar, hops, legume vegetables, mint, oats, orchards (unspecified), peanuts, peanuts (unspecified), soybeans, edible, spearmint, sugar beet, sugar crops, sugarcane, sunflower, tomato, turnip, vegetables (unspecified), wheat.

TERRESTRIAL FEED CROP

Alfalfa, barley, beans, clover, crownvetch, legume vegetables, lespedeza, lupine, pastures, sainfoin, timothy, trefoil, tyfon, vetch, wheat.

TERRESTRIAL NON-FOOD CROP

Agricultural fallow/idleland, airports/landing fields, commercial/industrial lawns, commercial/institutional/industrial, premises/equipment (outdoor), fencerows/hedgerows, grasses grown for seed, industrial areas (outdoor), jojoba, nonagricultural outdoor buildings/structures, nonagricultural uncultivated areas/soils, ornamental and/or shade trees, peach (non-bearing, seed beds), tomato (post-harvest)/ wood protection treatment to forest products (seasoned).

FORESTRY

Forest planting (reforestation programs), pine (forest/shelterbelt), shelterbelt plantings.

TERRESTRIAL NON-FOOD

Ornamental and/or shade trees, ornamental herbaceous plants, ornamental woody shrubs and vines, non-crop areas including public airports, electric transformer stations and around commercial buildings.

OTHERS

Uses for which USEPA has accepted the required data and/or citations of data that the formulator has submitted in support of registration; and uses for experimental purposes that are in compliance with USEPA requirements.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage, disposal or cleaning of equipment.

PESTICIDE STORAGE; Store at temperatures above 32° F. Do not contaminate food, foodstuffs, or drinking

Water. Do not store next to feed or food, or transport in or on vehicles containing foodstuffs or feeds. For help with any spill, leak, fire or exposures involving this material call CHEMTREC 1-800-424-9300.

PESTICIDE DISPOSAL: Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER HANDLING:

Nonrefillable Container: Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying.

Nonrefillable container equal to or less than 5 gallons: Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after



the flow begins to drip. Repeat this procedure two more times.

Nonrefillable container 5 gallons to bulk: Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

DO NOT REUSE CONTAINERS FOR ANY PURPOSE

**CONDITIONS OF SALE
AND LIMITATION OF WARRANTY AND LIABILITY**

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

Follow Directions for Use of this product carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions, presence of other materials or other influencing factors in the use of the product, which are beyond the control of Helm Agro US, Inc. or Seller. To the extent of applicable law, all such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Helm and Seller harmless for any claims relating to such factors.

Helm warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or Helm, and Buyer and User assume the risk of any such use. **HELM MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.**

To the extent consistent with applicable law, in no event shall Helm or Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF HELM AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF HELM OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

Helm and Seller offer this product, and Buyer and User accept it, subject to the foregoing conditions of sale and limitations of warranty and of liability, which may not be modified except by written agreement signed by a duly authorized representative of Helm.

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